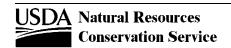
#### **Table H. - Engineering Index Properties**

Hanover County, Virginia

Absence of an entry indicates that the data were not estimated.

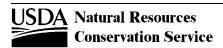
Map Symbol			Classi	fication	Fragi	ments	Per	cent Passing	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
1B:	In				Pct	Pct					Pct	
Abell	0-15	Fine Sandy Loam	SC SC-SM SM	A-2 A-4	0	0	90-100	85-100	60-85	34-55	12-23	NP-10
	15-27	Sandy Clay Loam Clay Loam	CL CL-ML SC	A-2 A-4 A-6	0	0	90-100	85-100	68-100	30-80	23-38	6-14
	27-39	Clay Loam Sandy Clay Loam Clay	CH CL	A-6 A-7	0	0-8	95-100	93-100	74-100	32-95	34-52	12-22
	39-60	Loam Sandy Clay Loam Clay Loam Sandy Loam	CL-ML ML SM	A-2 A-4	0	0-8	95-100	93-100	74-100	32-80	16-31	2-10
Appling												
Cecil												
Chewacla												
Colfax												
Fluvaquents												
Helena												
Pacolet												
Pamunkey variant												



Man Complete			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	امنييون ا	Diocticit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	•	•	•	Pct	Pct			•	•	Pct	
1B:												
Vance												
Wedowee												
Worsham												
2:												
Altavista	0-18	Fine Sandy Loam	CL-ML ML SC-SM SM	A-4	0	0	100	100	70-85	40-55	16-25	2-7
	18-41	Loam Sandy Loam Clay Loam Sandy Clay Loam	CL CL-ML SC SC-SM	A-4 A-6	0	0	100	100	60-100	30-80	20-31	5-14
	41-79	Loamy Sand Sandy Loam Clay Loam Gravelly Loamy Sand	CL CL-ML SC SC-SM SM	A-2 A-4 A-6	0	0	80-100	70-100	35-100	10-80	10-30	NP-14
Aquults												
Bolling variant												
Fluvaquents												
Forestdale												
Fork												
Iredell												



Map Symbol			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Num	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
2:	In				Pct	Pct					Pct	
Myatt variant												
Worsham												
3B:												
Appling	0-8	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0-8	85-100	80-100	56-85	32-55	9-20	NP-2
	8-52	Sandy Clay Sandy Clay Loam Clay Loam Clay	ML	A-4 A-7	0	0-8	85-100	80-100	64-100	28-95	27-49	4-12
	52-60	Sandy Loam Sandy Clay Loam Loam			0	0-8	85-100	80-100	48-95	24-75	13-24	NP-3
Abell												
Bourne												
Colfax												
Fluvaquents												
Norfolk												
Helena												
Spotsylvania												
Vance												



Hanover County, Virginia

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
3B:	ln				Pct	Pct					Pct	
Varina												
Worsham												
3C2:												
Appling	0-8	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0-8	85-100	80-100	56-85	32-55	9-20	NP-2
	8-52	Sandy Clay Sandy Clay Loam Clay Loam Clay	ML	A-4 A-7	0	0-8	85-100	80-100	64-100	28-95	27-49	4-12
	52-60	Sandy Clay Loam Loam Sandy Loam			0	0-8	85-100	80-100	48-95	24-75	13-24	NP-3
Abell												
Ashlar												
Bourne												
Fluvaquents												
Vance												
Varina												
Worsham												

4B:

Man Cumbal			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Diagticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	In			•	Pct	Pct			•	•	Pct	•
4B:	0.0	0 " " 0	00.014	4.0	•	0.0	70.400	00.400	40.05	04.55	0.00	ND 0
Appling	0-8	Gravelly Fine Sandy Loam	SC-SM SM	A-2 A-4	0	8-0	70-100	62-100	42-85	24-55	9-20	NP-2
	8-52	Sandy Clay Loam	ML	A-4	0	8-0	85-100	80-100	64-100	28-95	27-49	4-12
		Clay Clay Loam		A-7								
		Sandy Clay										
	52-60	Sandy Clay Loam			0	0-8	85-100	80-100	48-95	24-75	13-24	NP-3
		Sandy Loam Loam										
Bourne												
Spotsylvania												
Abell												
Edgehill variant												
4C:												
Appling	0-8	Gravelly Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0-8	70-100	62-100	42-85	24-55	9-20	NP-2
	8-52	Sandy Clay Clay Loam	ML	A-4 A-7	0	0-8	85-100	80-100	64-100	28-95	27-49	4-12
		Clay Sandy Clay Loam										
	52-60	Loam			0	0-8	85-100	80-100	48-95	24-75	13-24	NP-3
		Sandy Clay Loam Sandy Loam										
Abell												
Bourne												



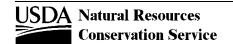
Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
4C:	ln				Pct	Pct					Pct	
Edgehill variant												
Fluvaquents												
Spotsylvania												
5C:												
Appling	0-8	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0-8	85-100	80-100	56-85	32-55	9-20	NP-2
	8-52	Sandy Clay Loam Clay Loam Clay Sandy Clay	ML	A-4 A-7	0	0-8	85-100	80-100	64-100	28-95	27-49	4-12
	52-60	Sandy Clay Loam Loam Sandy Loam			0	0-8	85-100	80-100	48-95	24-75	13-24	NP-3
Ashlar	0-11	Sandy Loam	SC-SM SM	A-1 A-2 A-4	0	0-15	70-100	63-100	37-70	18-40	9-16	NP
	11-30	Gravelly Sandy Loam Sandy Loam	GC-GM GM SC-SM SM	A-1 A-2 A-4	0	0-15	70-100	63-100	37-70	18-40	9-16	NP
	30-34	Bedrock										
Edgehill variant												
Rock Outcrop												
Vance												



Hanover County, Virginia

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Index
50.	In			•	Pct	Pct	•	•	•	•	Pct	
5C:												
6:												
Aquults	0-6	Silt Loam Loam Fine Sandy Loam	CL-ML SC-SM	A-4	0	0	90-100	85-100	60-100	35-90	21-28	4-10
	6-8	Silty Clay Loam Clay Loam	CL	A-6 A-7-6	0	0	90-100	85-100	75-100	60-95	30-44	11-22
	8-50	Silty Clay Loam Clay Loam Silty Clay Clay	CH CL	A-7-6	0	0	90-100	85-100	75-100	60-95	44-66	22-39
	50-65	Clay Stratified Very Gravelly Sand To Clay	CH CL-ML GC-GM ML SM	A-1-b A-2-4 A-4 A-6 A-7-6	0	0-5	40-100	35-100	20-100	2-95	16-57	NP-32
Colfax												
Coxville												
Helena												
Worsham												

7:



Hanover County, Virginia

Man Cymhal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Index
	In				Pct	Pct					Pct	
7: Atlee	0-9	Loam	CL-ML ML	A-4	0	0	100	100	85-95	60-75	13-20	NP-4
	9-27	Silt Loam Clay Loam Loam Silty Clay Loam	CL CL-ML	A-4 A-6	0	0	100	100	85-100	60-95	16-34	2-12
	27-52	Clay Loam Loam Silt Loam Silty Clay Loam	CL CL-ML	A-4 A-6	0	0	100	100	85-100	60-95	23-31	6-14
	52-79	Silt Loam Clay Loam Loam Clay Silty Clay Loam Sandy Clay Loam	CL	A-6	0	0	100	100	85-100	60-95	25-40	7-20
Bourne												
Coxville												
Dunbar												
Faceville												
Norfolk												
Orangeburg												

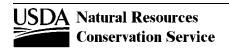
8:

Hanover County, Virginia

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Num	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
0.	In		•		Pct	Pct	•	•	•		Pct	
8: Augusta	0-7	Fine Sandy Loam	ML SC-SM SM	A-2 A-4	0	0	90-100	85-100	60-85	34-55	10-25	NP-7
	7-50	Loam Sandy Loam Sandy Clay Loam Clay Loam	CL CL-ML	A-4 A-6	0	0	90-100	85-100	51-100	26-80	20-34	4-14
	50-76	Loam Sandy Loam Loamy Sand Gravelly Loamy Sand	ML SC-SM SM	A-2 A-4	0	0	60-99	56-98	28-94	8-74	12-25	NP-7
Altavista												
Duplin												
Goldsboro												
Kenansville variant												
Myatt variant												
Rains												
Bourne												
Coxville												
Fluvaquents												

9:

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•		Pct	Pct					Pct	
9:												
Bolling variant	0-11	Gravelly Sandy Loam	GM SM	A-1 A-2	0-2	0-8	60-75	50-70	30-49	15-28	10-25	NP-7
	11-35	Gravelly Sandy Loam	GC	A-1	0-2	8-0	35-60	23-50	13-45	7-28	16-34	2-12
		Very Gravelly Sandy Clay Loam	SM	A-2								
		Very Gravelly Sandy Loam Extremely Gravelly Sandy Loam										
	35-64	Very Gravelly Sand Sand	GC SM	A-1 A-2	0-2	0-8	35-60	23-50	11-45	1-28	9-34	NP-12
		Gravelly Sandy Clay Loam	SIVI	A-2								
Augusta												
Altavista												
10B:												
Bourne	0-13	Fine Sandy Loam	CL-ML ML SC-SM	A-2 A-4	0	0	80-100	80-100	56-85	32-55	10-25	NP-7
	40.04	Candy Clay Lagra	SM	A 0	0	0	00 400	00 400	04.400	20.00	05.00	7-14
	13-24	Sandy Clay Loam Clay Loam	CL SC	A-2 A-6	U	0	80-100	80-100	64-100	28-80	25-32	7-14
	24-68	Sandy Clay Loam	CL	A-0 A-2	0	0	80-100	80-100	48-90	24-55	20-30	4-14
	24-00	Sandy Loam	SC	A-4	U	O	00-100	00-100	40-30	24-55	20-30	4-14
		Sandy Loan.	SC-SM	A-6								
	68-76	Clay	CL	A-2	0	0	80-100	80-100	48-100	24-95	10-61	3-27
		Clay Loam	SC	A-4								
		Sandy Loam	SM	A-6								
		Loam		A-7								
Atlee												



Mars Ormshall			Classi	ification	Frag	ments	Per	cent Passino	g Sieve Nur	nber	1114	Disatists
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
100	In			· P	Pct	Pct		•			Pct	•
10B: Dogue												
Abell												
Augusta												
Caroline												
Colfax												
Coxville												
Creedmoor												
Dunbar												
Duplin												
Goldsboro												
Mayodan												
Norfolk												
Pamunkey												
Spotsylvania												
Suffolk												
Varina												

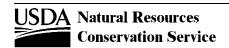
Man Symbol			Class	ification	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
10B:	In				Pct	Pct					Pct	
10C:												
Bourne	0-13	Fine Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	80-100	80-100	56-85	32-55	10-25	NP-7
	13-24	Clay Loam Sandy Clay Loam	CL SC	A-2 A-6	0	0	80-100	80-100	64-100	28-80	25-32	7-14
	24-68	Sandy Loam Sandy Clay Loam	CL SC SC-SM	A-2 A-4 A-6	0	0	80-100	80-100	48-90	24-55	20-30	4-14
	68-76	Loam Clay Sandy Clay Sandy Loam Sandy Clay Loam Clay Loam	CL SC SM	A-2 A-4 A-6 A-7	0	0	80-100	80-100	48-100	24-95	10-61	3-27
Abell												
Dunbar												
Fluvaquents												
Kempsville												
Norfolk												
Spotsylvania												
Suffolk												



Man Cumhal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Linuid	Disatisita
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	•			Pct	Pct	•		•	•	Pct	
10C:												
Varina												
11B:												
Bourne	0-13	Fine Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	80-100	80-100	56-85	32-55	10-25	NP-7
	13-24	Clay Loam Sandy Clay Loam	CL SC	A-2 A-6	0	0	80-100	80-100	64-100	28-80	25-32	7-14
	24-68	Sandy Loam Sandy Clay Loam	CL SC SC-SM	A-2 A-4 A-6	0	0	80-100	80-100	48-90	24-55	20-30	4-14
	68-76	Clay Loam Sandy Clay Sandy Clay Loam Loam Sandy Loam Clay	CL SC SM	A-2 A-4 A-6 A-7	0	0	80-100	80-100	48-100	24-95	10-61	3-27
Varina	0-7	Gravelly Sandy Loam Sandy Loam	SC-SM SM	A-1 A-2	0	0-8	60-95	55-93	33-65	16-37	9-20	NP-2
	7-65	Very Gravelly Clay Loam Very Gravelly Sandy Clay Loam Clay Loam Gravelly Clay Loam	GM ML SM	A-4	0	0-8	15-100	5-100	4-100	3-80	31-34	5-7
Colfax												
Creedmoor												
Faceville												



Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•		Pct	Pct		•			Pct	
11B:												
Norfolk												
Orangeburg												
Spotsylvania												
Vance												
Appling												
Mayodan												
11C:												
Bourne	0-13	Fine Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	80-100	80-100	56-85	32-55	10-25	NP-7
	13-24	Clay Loam Sandy Clay Loam	CL SC	A-2 A-6	0	0	80-100	80-100	64-100	28-80	25-32	7-14
	24-68	Sandy Clay Loam Sandy Loam	CL SC SC-SM	A-2 A-4 A-6	0	0	80-100	80-100	48-90	24-55	20-30	4-14
	68-76	Sandy Clay Sandy Clay Loam Loam Sandy Loam Clay Clay Loam	CL SC SM	A-2 A-4 A-6 A-7	0	0	80-100	80-100	48-100	24-95	10-61	3-27



Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In			•	Pct	Pct		•	•		Pct	•
11C: Varina	0-7	Gravelly Sandy Loam Sandy Loam	SC-SM SM	A-1 A-2	0	0-8	60-95	55-93	33-65	16-37	9-20	NP-2
	7-65	Very Gravelly Sandy Clay Loam Very Gravelly Clay Loam Clay Loam Gravelly Clay Loam	GM ML SM	A-4	0	0-8	15-100	5-100	4-100	3-80	31-34	5-7
Appling												
Colfax												
Fluvaquents												
Helena												
Pacolet												
Wedowee												
Worsham												
12B:												
Caroline	0-8	Fine Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	90-100	85-100	60-85	34-55	16-25	2-7
	8-78	Sandy Clay Clay Clay Loam	CH CL	A-6 A-7	0	0	90-100	85-100	72-100	38-95	30-56	14-24
Atlee												

Hanover County, Virginia

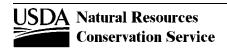
Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
100	In	•		•	Pct	Pct		•			Pct	•
12B:												
Suffolk												
Bourne												
Dogue												
Duplin												
Goldsboro												
Kempsville												
Norfolk												
12D2:												
Caroline	0-8	Fine Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	90-100	85-100	60-85	34-55	16-25	2-7
	8-78	Sandy Clay Clay Clay Loam	CH CL	A-6 A-7	0	0	90-100	85-100	72-100	38-95	30-56	14-24
Faceville												
Fluvaquents												
1000												

13B2:

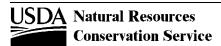


Map Symbol			Classi	ification	Frag	ments	Per	cent Passino	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
1000	In	•			Pct	Pct					Pct	
13B2: Caroline	0-8	Fine Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	90-100	85-100	60-85	34-55	16-25	2-7
	8-78	Sandy Clay Clay Clay Loam	CH CL	A-6 A-7	0	0	90-100	85-100	72-100	38-95	30-56	14-24
Dogue	0-11	Loam	ML SM	A-4	0	0	90-100	85-100	68-95	48-75	12-20	NP-4
	11-51	Clay Loam Clay	CH CL ML	A-6 A-7	0	0	90-100	85-100	76-100	60-95	30-52	10-22
	51-79	Sandy Clay Loam Sandy Clay Clay Loam Sandy Loam Clay Loam	SC SC-SM SM	A-2 A-4	0	0	90-100	85-100	51-100	26-95	12-52	NP-22
Atlee												
Duplin												
Faceville												
Goldsboro												
Norfolk												
Suffolk												

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passino	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
4000	In		•		Pct	Pct					Pct	
13C2: Caroline	0-8	Fine Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	90-100	85-100	60-85	34-55	16-25	2-7
	8-78	Sandy Clay Clay Loam Clay	CH CL	A-6 A-7	0	0	90-100	85-100	72-100	38-95	30-56	14-24
Dogue	0-11	Loam	ML SM	A-4	0	0	90-100	85-100	68-95	48-75	12-20	NP-4
	11-51	Clay Clay Loam	CH CL ML	A-6 A-7	0	0	90-100	85-100	76-100	60-95	30-52	10-22
	51-79	Sandy Clay Loam Sandy Clay Clay Sandy Loam Loam Clay Loam	SC SC-SM SM	A-2 A-4	0	0	90-100	85-100	51-100	26-95	12-52	NP-22
Bourne												
Faceville												
Fluvaquents												
Goldsboro												
Norfolk												
Orangeburg												



Man Symbol			Classi	fication	Fragi	nents	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
4000	ln		•		Pct	Pct					Pct	
13C2: Suffolk												
14B2:												
Cecil	0-5	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0	90-100	85-100	60-85	34-55	9-20	NP-2
	5-53	Clay Loam Clay	MH ML	A-5 A-7	0	0	90-100	85-100	76-100	60-95	31-56	5-14
	53-60	Clay Loam Loam	ML SM	A-4	0	0	85-100	80-99	68-99	48-79	13-34	NP-7
Abell												
Bourne												
Iredell												
Orange												
Faceville												
Fluvanna												
Kenansville												
Orangeburg												
Spotsylvania												
Vance												
Varina												



Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
14B2:	ln		•	•	Pct	Pct					Pct	
14C2: Cecil	0-5	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0	90-100	85-100	60-85	34-55	9-20	NP-2
	5-53	Clay Loam Clay	MH ML	A-5 A-7	0	0	90-100	85-100	76-100	60-95	31-56	5-14
	53-60	Loam Clay Loam	ML SM	A-4	0	0	85-100	80-99	68-99	48-79	13-34	NP-7
Abell												
Iredell												
Orange												
Bourne												
Faceville												
Fluvanna												
Fluvaquents												
Orangeburg												
Spotsylvania												
Vance												
Varina												

Hanover County, Virginia

Map Symbol			Classi	ification	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
4400	In				Pct	Pct					Pct	
14C2: Worsham												
15B2:												
Cecil	0-5	Gravelly Sandy Loam	SC-SM SM	A-1 A-2	0	0	70-85	63-75	37-52	18-30	9-20	NP-2
	5-53	Clay Loam Clay	MH ML	A-5 A-7	0	0	90-100	85-100	76-100	60-95	31-56	5-14
	53-60	Loam Clay Loam	ML SM	A-4	0	0	85-100	80-99	68-99	48-79	13-34	NP-7
Vance	0-12	Gravelly Sandy Loam	SC-SM SM	A-1 A-2	0	0-8	70-100	63-75	36-52	18-30	11-20	NP-2
	12-48	Sandy Clay Clay Loam Clay	ML	A-4 A-7	0	0-8	90-100	80-100	72-100	56-95	31-49	5-12
	48-68	Loam Clay Loam	ML	A-4	0		90-100	80-100	68-100	48-80	14-34	NP-7
Abell												
Faceville												
Fluvanna												
Spotsylvania												
Varina												
Wedowee												

15C2:



Map Symbol			Classi	fication	Fragr	ments	Per	cent Passin	g Sieve Nun	nber	Licuid	Diosticit
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	-	•	•	Pct	Pct	•			•	Pct	•
15C2:												
Cecil	0-5	Gravelly Sandy Loam	SC-SM SM	A-1 A-2	0	0	70-85	63-75	37-52	18-30	9-20	NP-2
	5-53	Clay Clay Loam	MH ML	A-5 A-7	0	0	90-100	85-100	76-100	60-95	31-56	5-14
	53-60	Loam Clay Loam	ML SM	A-4	0	0	85-100	80-99	68-99	48-79	13-34	NP-7
Vance	0-12	Gravelly Sandy Loam	SC-SM SM	A-1 A-2	0	0-8	70-100	63-75	36-52	18-30	11-20	NP-2
	12-48	Clay Loam Clay Sandy Clay	ML	A-4 A-7	0	0-8	90-100	80-100	72-100	56-95	31-49	5-12
	48-68	Clay Loam Loam	ML	A-4	0		90-100	80-100	68-100	48-80	14-34	NP-7
Bourne												
Fluvanna												
Spotsylvania												
Varina												
15D2:												
Cecil	0-5	Gravelly Sandy Loam	SC-SM SM	A-1 A-2	0	0	70-85	63-75	37-52	18-30	9-20	NP-2
	5-53	Clay Loam Clay	MH ML	A-5 A-7	0	0	90-100	85-100	76-100	60-95	31-56	5-14
	53-60	Clay Loam Loam	ML SM	A-4	0	0	85-100	80-99	68-99	48-79	13-34	NP-7

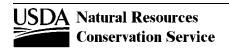
Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Num	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•		Pct	Pct					Pct	
15D2: Vance	0-12	Gravelly Sandy Loam	SC-SM SM	A-1 A-2	0	0-8	70-100	63-75	36-52	18-30	11-20	NP-2
	12-48	Clay Sandy Clay Clay Loam	ML	A-4 A-7	0	0-8	90-100	80-100	72-100	56-95	31-49	5-12
	48-68	Loam Clay Loam	ML	A-4	0		90-100	80-100	68-100	48-80	14-34	NP-7
Ashlar												
Fluvaquents												
Varina												
16:												
Chewacla	0-9	Fine Sandy Loam	SC-SM SM	A-4	0	0	98-100	95-100	66-85	38-55	10-25	NP-7
	9-42	Loam Sandy Loam Clay Loam Fine Sandy Loam Silty Clay Loam	CL CL-ML ML	A-4 A-6	0	0	98-100	95-100	80-100	51-98	23-30	NP-14
	42-60	Sandy Loam Loam Sand Loamy Sand	CL CL-ML ML SM	A-2 A-4	0	0	98-100	95-100	48-95	5-75	9-30	NP-10
Abell												
Altavista												
Augusta												



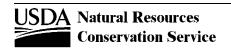
Map Symbol			Classi	fication	Fragi	ments	Per	cent Passino	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
16:	In		•		Pct	Pct	•				Pct	
10:												
Bolling variant												
Fluvaquents												
Wehadkee												
17B:												
Colfax	0-8	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0	90-100	85-100	60-85	34-55	10-25	NP-7
	8-24	Sandy Loam Sandy Clay Loam Loam	CL SC	A-4 A-6	0	0	90-100	85-100	51-95	26-75	20-32	4-14
	24-60	Fine Sandy Loam Sandy Clay Loam Loam Sandy Loam	CL SC SC-SM	A-2 A-4 A-6	0	0	90-100	85-100	51-95	26-75	20-34	4-12
Abell												
Appling												
Cecil												
Helena												
Vance												
Fluvaquents												
Orange												



Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
17B:	ln		•	-	Pct	Pct		•			Pct	•
176.												
Spotsylvania												
Worsham												
17C:												
Colfax	0-8	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0	90-100	85-100	60-85	34-55	10-25	NP-7
	8-24	Sandy Loam Sandy Clay Loam Loam	CL SC	A-4 A-6	0	0	90-100	85-100	51-95	26-75	20-32	4-14
	24-60	Sandy Clay Loam Sandy Loam Loam Fine Sandy Loam	CL SC SC-SM	A-2 A-4 A-6	0	0	90-100	85-100	51-95	26-75	20-34	4-12
Appling												
Fluvaquents												
Helena												
Orange												
Worsham												
18:												
Coxville	0-12 12-79	Loam Clay Loam Clay Sandy Clay	ML ML	A-4 A-4 A-6 A-7	0	0	100 100	100 100	85-95 90-100	60-75 70-95	9-25 31-49	NP-3 5-12



Map Symbol			Classi	fication	Fragi	ments	Perd	cent Passino	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•		Pct	Pct					Pct	<u> </u>
18: Atlee												
Dunbar												
Duplin												
Faceville												
Fluvaquents												
Lenoir												
Orangeburg												
Rains												
19B:												
Creedmoor	0-11	Fine Sandy Loam	SC-SM SM	A-4	0	0	100	100	70-85	40-55	10-30	2-11
	11-39	Sandy Clay Loam Clay Loam Clay	CL	A-6 A-7	0	0	100	100	80-100	35-95	30-66	11-39
	39-58	Clay Loam Sandy Loam Sandy Clay Loam Sandy Clay	CH MH	A-7	0	0	100	100	60-95	30-60	26-62	NP-36
	58-79	Sandy Loam	SC SC-SM SM	A-2 A-4 A-6	0	0	100	100	60-70	30-40	16-30	NP-11
Bourne												



Man Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Num	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•	•	Pct	Pct					Pct	•
19B: Colfax												
Edgehill variant												
Mayodan												
Norfolk												
Pamunkey												
Pinkston												
Worsham												
20B:												
Creedmoor variant	0-10	Fine Sandy Loam	ML SC-SM SM	A-4	0	0	100	100	70-85	40-55	19-30	3-11
	10-55	Clay Loam Clay Sandy Clay Loam	CH CL	A-6 A-7	0	0	100	100	80-100	35-95	30-66	11-39
	55-79	Clay Loam Clay Loam Sandy Loam Sandy Clay Sandy Clay Sandy Clay Sandy Clay Loam	CH CH CL SC	A-2 A-4 A-6 A-7	0	0	100	100	60-100	30-95	21-75	4-46
Colfax												
Duplin												

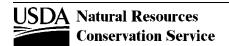


Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Lieuid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Index
	In		•	•	Pct	Pct					Pct	•
20B: Mayodan												
Mayodan												
Suffolk												
Worsham												
21B2:												
Cullen	0-8	Loam	CL CL-ML ML	A-4	0	0	98-100	95-100	81-95	57-75	20-31	NP-10
	8-58	Clay	CH CL MH	A-7	0	0	95-100	93-99	83-99	69-95	43-61	17-27
	58-79	Clay Loam Loam Clay	CL CL-ML ML	A-4 A-6 A-7	0	0	98-100	95-100	81-100	57-95	16-52	2-22
Worsham												
Abell												
Colfax												
Helena												
Pacolet												
Vance												
Wedowee												

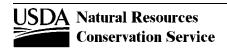
Hanover County, Virginia

Map Symbol			Class	ification	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Diagticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	ln				Pct	Pct					Pct	
21C2: Cullen	0-8	Loam	CL	A-4	0	0	98-100	95-100	81-95	57-75	20-31	NP-10
Culleri	0-6	Loam	CL-ML	A-4	U	U	90-100	95-100	01-95	57-75	20-31	NP-10
			ML									
	8-58	Clay	CH	A-7	0	0	95-100	93-99	83-99	69-95	43-61	17-27
			CL MH									
	58-79	Clay Loam	CL	A-4	0	0	98-100	95-100	81-100	57-95	16-52	2-22
		Loam	CL-ML	A-6								
		Clay	ML	A-7								
Abell												
Colfax												
Fluvaquents												
Helena												
Pacolet												
Vance												
Varina												
Wedowee												
Worsham												

21D2:



Man Cymhol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Disstinity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In		•	•	Pct	Pct					Pct	•
21D2:	0.0		01		•	•	00.400	05.400	04.05		00.04	ND 40
Cullen	0-8	Loam	CL CL-ML ML	A-4	0	0	98-100	95-100	81-95	57-75	20-31	NP-10
	8-58	Clay	CH CL MH	A-7	0	0	95-100	93-99	83-99	69-95	43-61	17-27
	58-79	Clay Loam Clay Loam	CL CL-ML ML	A-4 A-6 A-7	0	0	98-100	95-100	81-100	57-95	16-52	2-22
Ashlar												
Fluvaquents												
Pacolet												
Vance												
Wedowee												
22:												
Dawhoo variant	0-20	Gravelly Fine Sandy Loam Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0	80-95	70-93	49-79	28-51	10-25	NP-7
	20-50	Gravelly Sandy Loam Gravelly Loamy Sand Very Gravelly Loamy Sand	GP-GM SM SP-SM	A-1 A-2 A-3	0	0	50-80	40-75	20-72	6-44	9-34	NP-12
	50-63	Gravelly Sandy Clay Loam Gravelly Sandy Loam Loamy Sand Gravelly Loamy Sand Sandy Clay Loam	SM SP-SM	A-2	0	0	80-100	70-99	35-90	10-55	9-34	NP-12



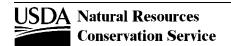
Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In	•	•	•	Pct	Pct					Pct	•
22:												
Forestdale												
Wehadkee												
23:												
Dogue	0-11	Loam	ML SM	A-4	0	0	90-100	85-100	68-95	48-75	12-20	NP-4
	11-51	Clay Loam Clay	CH CL ML	A-6 A-7	0	0	90-100	85-100	76-100	60-95	30-52	10-22
	51-79	Sandy Clay Clay Loam Sandy Clay Loam Loam Sandy Loam Clay	SC SC-SM SM	A-2 A-4	0	0	90-100	85-100	51-100	26-95	12-52	NP-22
Abell												
Altavista												
Atlee												
Bourne												
Caroline												
Colfax												
Duplin												

Man Cumbal			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•	•	Pct	Pct		•	•		Pct	
23: Forestdale												
Goldsboro												
Kempsville												
Masada												
Norfolk												
Wahee												
24:												
Dunbar	0-10	Fine Sandy Loam	SC-SM SM	A-4	0	0	100	100	70-85	40-55	9-25	NP-3
	10-65	Clay Loam Clay Sandy Clay	ML	A-4 A-6 A-7	0	0	100	100	80-100	70-95	31-49	5-12
Atlee												
Bourne												
Caroline												
Coxville												
Dogue												
Duplin												

Hanover County, Virginia

Man Cumbal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Index
	In		•	•	Pct	Pct	•	•	•		Pct	<u> </u>
24: Norfolk												
NOTION												
25A:												
Duplin	0-9	Fine Sandy Loam	SC-SM SM	A-4	0	0	95-100	93-100	64-85	37-55	1-19	NP-1
	9-72	Sandy Clay Clay Clay Loam	ML	A-4 A-6 A-7	0	0	95-100	93-100	83-100	64-95	31-49	5-12
Orangeburg												
Bourne												
Coxville												
Dunbar												
Faceville												
Fluvaquents												
Goldsboro												
Norfolk												
Varina												

25B:



Man Cinebal			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	امنسنا	Diestisitu
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
050	In			•	Pct	Pct	•		•		Pct	
25B: Duplin	0-9	Fine Sandy Loam	SC-SM SM	A-4	0	0	95-100	93-100	64-85	37-55	1-19	NP-1
	9-72	Clay Clay Loam Sandy Clay	ML	A-4 A-6 A-7	0	0	95-100	93-100	83-100	64-95	31-49	5-12
Bourne												
Coxville												
Dunbar												
Faceville												
Fluvaquents												
Goldsboro												
Norfolk												
Orangeburg												
Varina												
26B:												
Edgehill variant	0-18	Very Gravelly Sandy Loam	GM GW-GM	A-1	0	0-5	30-50	20-40	15-25	8-15	11-20	NP-2
	18-64	Very Gravelly Sandy Clay Loam	GM	A-1 A-2	0	0-5	30-50	20-40	15-35	7-25	20-31	2-5
Abell												

Man Cymhol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Disstinity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In		1	1	Pct	Pct					Pct	
26B:												
Duplin												
Goldsboro												
Norfolk												
Bourne												
Coxville												
Creedmoor												
Faceville												
Orangeburg												
Pinkston												
Varina												
27B:												
Fluvanna	0-9	Silt Loam	CL ML	A-4 A-6	0	0	90-100	85-100	76-100	60-90	16-35	NP-16
	9-59	Clay Loam Clay	СН	A-7	0	0	90-100	85-100	76-100	60-95	45-70	22-42
	59-70	Silt Loam Loam Clay Loam	CL	A-6	0	0-8	90-100	85-100	72-100	51-90	30-40	10-25
Bourne												



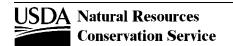
Map Symbol			Classi	fication	Fragr	ments	Perd	cent Passino	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
27B:	In				Pct	Pct					Pct	
Colfax												
Georgeville												
Helena												
Iredell												
Orange												
27C2:												
Fluvanna	0-9	Silt Loam	CL ML	A-4 A-6	0	0	90-100	85-100	76-100	60-90	16-35	NP-16
	9-59	Clay Loam Clay	СН	A-7	0	0	90-100	85-100	76-100	60-95	45-70	22-42
	59-70	Loam Silt Loam Clay Loam	CL	A-6	0	0-8	90-100	85-100	72-100	51-90	30-40	10-25
Colfax												
Fluvaquents												
Georgeville												
Helena												
Orange												
28:												

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In				Pct	Pct					Pct	
28: Fluvaquents	0-4	Sand Loam Loamy Sand Sandy Loam Fine Sandy Loam Silt Loam	CL CL-ML ML	A-4 A-6	0	0	98-100	95-100	50-100	5-90	12-31	1-11
	4-52	Clay Loam Fine Sandy Loam Loam Sandy Clay Loam Sand Loamy Fine Sand Loamy Sand Sandy Loam	CL CL-ML SC SC-SM SW-SM	A-2-4 A-4 A-6	0	0	98-100	95-100	50-100	5-80	12-31	1-11
	52-74	Loam Gravelly Sand Loamy Sand Sandy Loam Sand Loamy Fine Sand Fine Sandy Loam	CL CL-ML SC SC-SM SP-SM SW-SM	A-1-b A-2-4 A-4	0	0-3	85-100	50-100	25-95	2-75	8-25	NP-8
Goldsboro												
Udifluvents												
Abell												
Chewacla												
Colfax												

Hanover County, Virginia

Man Ormshall			Class	ification	Fragi	ments	Per	cent Passing	g Sieve Num	nber	Linuital	Disatisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	In	•		•	Pct	Pct			•		Pct	
28: Helena												
Kenansville variant												
29:												
Forestdale	0-8	Loam	CL	A-4 A-6	0	0	100	100	85-95	60-75	26-41	9-21
	8-46	Clay Clay Loam	CH	A-7	0	0	100	100	90-100	70-95	51-76	29-49
	46-60	Sandy Clay Loam Fine Sandy Loam Sandy Loam	CL SC	A-4 A-6 A-7	0	0	100	100	60-90	30-55	26-51	9-29
Worsham												
Bourne												
Colfax												
Dogue												
Fluvaquents												
Helena												
Orange												

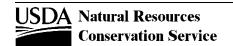
30:



Hanover County, Virginia

Mars Ormalisal			Class	ification	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	I tan dal	Disabisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	In	•	•		Pct	Pct	•			•	Pct	
30:												
Forestdale	0-8	Loam	CL	A-4 A-6	0	0	100	100	85-95	60-75	26-41	9-21
	8-46	Clay Clay Loam	СН	A-7	0	0	100	100	90-100	70-95	51-76	29-49
	46-60	Sandy Loam	CL	A-4	0	0	100	100	60-90	30-55	26-51	9-29
		Sandy Clay Loam	SC	A-6								
		Fine Sandy Loam		A-7								
Abell												
Altavista												
Bolling variant												
Dunbar												
Fluvaquents												
Iredell												
Cullen												
Orange												
Vance												

31:



Hanover County, Virginia

Mars Ormskal			Class	ification	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Linuida	Disabisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In				Pct	Pct				•	Pct	
31: Fork	0-18	Fine Sandy Loam	ML SC-SM SM	A-4	0	0	90-100	85-100	60-85	34-55	16-25	2-7
	18-42	Loam Sandy Clay Loam Clay Loam	CL SC	A-4 A-6	0	0	90-100	85-100	68-100	30-80	23-31	6-14
	42-64	Silt Loam Loamy Sand Silty Clay Loam Loam Sandy Loam	CL ML SC SM	A-2 A-4 A-6	0	0	95-100	70-100	35-100	10-95	9-30	NP-14
Altavista												
Chewacla												
Dogue												
Fluvaquents												
Pamunkey												
Wahee												
Wehadkee												

32B:



Map Symbol			Classi	ification	Fragr	ments	Per	cent Passin	g Sieve Nun	nber	Liamid	Disatisit
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In		•	•	Pct	Pct		•			Pct	•
32B:												
Georgeville	0-10	Loam	ML	A-4	0	0-5	95-100	93-100	65-100	55-95	13-25	NP-3
	10-56	Silty Clay	MH	A-5	0	0	100	100	90-100	75-98	31-52	5-13
		Silty Clay Loam	ML	A-7								
		Clay										
	56-93	Loam	ML	A-4	0	0-8	100	100	65-100	51-95	16-34	NP-7
		Silty Clay Loam										
		Silt Loam										
Colfax												
Fluvanna												
Pacolet												
32C2:												
Georgeville	0-10	Loam	ML	A-4	0	0-5	95-100	93-100	65-100	55-95	13-25	NP-3
Ğ	10-56	Clay	MH	A-5	0	0	100	100	90-100	75-98	31-52	5-13
		Silty Clay Loam	ML	A-7								
		Silty Clay										
	56-93	Silty Clay Loam	ML	A-4	0	0-8	100	100	65-100	51-95	16-34	NP-7
		Silt Loam										
		Loam										
Fluvanna												
Fluvaquents												
Pacolet												
33B:												



Main Crimahal			Class	ification	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Limonial	Disatisitu
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	•	•		Pct	Pct	•	•			Pct	•
33B:												
Goldsboro	0-10	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0	90-100	80-100	56-85	32-55	12-20	NP-4
	10-69	Sandy Loam Sandy Clay Loam	CL CL-ML SC SC-SM	A-2 A-4 A-6	0	0	85-100	80-100	48-90	28-55	23-34	6-12
	69-79	Sandy Clay Loam Sandy Loam	CL CL-ML SC SC-SM	A-2 A-4	0	0	85-100	80-100	48-90	28-55	16-30	2-10
Altavista												
Augusta												
Bourne												
Caroline												
Dogue												
Dunbar												
Duplin												
Fluvaquents												
Kempsville												
Norfolk												

Hanover County, Virginia

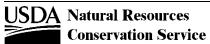
Man Comphal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	امندسنا	Diestisite
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	ln	•	•	•	Pct	Pct	•	•	•	•	Pct	
34B:												
Goldsboro	0-10	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0	90-100	80-100	56-85	32-55	12-20	NP-4
	10-69	Sandy Clay Loam Sandy Loam	CL CL-ML SC SC-SM	A-2 A-4 A-6	0	0	85-100	80-100	48-90	28-55	23-34	6-12
	69-79	Sandy Loam Sandy Clay Loam	CL CL-ML SC SC-SM	A-2 A-4	0	0	85-100	80-100	48-90	28-55	16-30	2-10
Altavista												
Augusta												
Dogue												
Duplin												
Fluvaquents												
Lenoir												

35B:

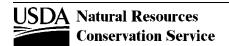
Map Symbol			Class	ification	Fragi	ments	Per	cent Passino	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	ln		•		Pct	Pct					Pct	
35B: Helena	0-6	Sandy Loam	SC SC-SM SM	A-2 A-4	0	0	98-100	95-100	57-70	28-40	16-30	NP-11
	6-47	Clay Loam Clay Sandy Clay	СН	A-7	0	0	98-100	95-100	86-100	66-95	44-66	22-39
	47-60	Sandy Clay Clay Loam Clay	CL	A-7	0	0	98-100	95-100	86-100	66-95	39-60	10-39
Colfax	0-8	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0	90-100	85-100	60-85	34-55	10-25	NP-7
Collex	8-24	Loam Sandy Loam Sandy Clay Loam	CL SC	A-4 A-6	0	0	90-100	85-100	51-95	26-75	20-32	4-14
	24-60	Sandy Loam Fine Sandy Loam Sandy Clay Loam Loam	CL SC SC-SM	A-2 A-4 A-6	0	0	90-100	85-100	51-95	26-75	20-34	4-12
Abell												
Altavista												
Fluvanna												
Worsham												
Forestdale												
Orange												

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passing	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•	•	Pct	Pct				•	Pct	
35B: Pacolet												
Vance												
Appling												
Aquults												
Fluvaquents												
Wahee												
Wedowee												
36C:												
Helena	0-6	Sandy Loam	SC SC-SM SM	A-2 A-4	0	0	98-100	95-100	57-70	28-40	16-30	NP-11
	6-47	Clay Sandy Clay Clay Loam	СН	A-7	0	0	98-100	95-100	86-100	66-95	44-66	22-39
	47-60	Clay Clay Loam Sandy Clay	CL	A-7	0	0	98-100	95-100	86-100	66-95	39-60	10-39

Map Symbol			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In	•	•		Pct	Pct	•	•	•	•	Pct	
36C:												
Orange	0-10	Fine Sandy Loam	CL-ML SC SC-SM	A-4 A-6	0	0	90-100	85-99	60-85	34-55	20-36	5-17
	10-42	Clay Clay Loam	CH	A-7	0	0	90-100	85-99	76-99	60-95	51-76	29-49
	42-60	Sandy Clay Loam	CL	A-2	0	0-15	90-100	85-99	51-90	26-55	26-51	9-29
		Sandy Loam	SC	A-6								
				A-7								
Abell												
Colfax												
Fluvaquents												
Vance												
Worsham												
37:												
Hydraquents	0-20	Clay Mucky Silt Loam Mucky Clay Mucky Silty Clay Mucky Silty Clay Loam	CH CL	A-7-6	0	0	100	100	90-100	75-95	48-66	25-39
	20-40	Mucky Silty Clay Loam Mucky Clay Silty Clay	CH CL	A-7-6	0	0	100	100	90-100	75-95	44-66	22-39
	40-80	Sand	СН	A-2-7	0	0	100	100	50-100	5-95	17-66	1-39
	10 00	Stratified Mucky Sandy	CL	A-4	3	3	.50	.50	00 100	0 00	00	. 00
		Loam To Sandy Loam	CL-ML	A-6								
		Clay	SC	A-7-6								



Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
37:	In				Pct	Pct					Pct	
Fluvaquents												
38C:												
Iredell	0-9	Sandy Loam	SC SC-SM	A-2 A-2-4 A-4	0	0-2	95-100	93-99	55-70	27-40	26-36	9-17
	9-34	Clay Loam Clay	СН	A-7	0	0-2	95-100	93-99	83-99	64-95	51-106	29-57
	34-79	Sandy Loam Clay Loam Silt Loam Loam Sandy Clay Loam	SC	A-7	0	0-2	95-100	93-99	55-99	27-90	26-56	9-33
Orange	0-10	Fine Sandy Loam	CL-ML SC SC-SM	A-4 A-6	0	0	90-100	85-99	60-85	34-55	20-36	5-17
	10-42	Clay Loam Clay	СН	A-7	0	0	90-100	85-99	76-99	60-95	51-76	29-49
	42-60	Sandy Loam Sandy Clay Loam	CL SC	A-2 A-6 A-7	0	0-15	90-100	85-99	51-90	26-55	26-51	9-29
Fluvaquents												
Helena												
Worsham												
Abell												



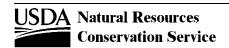
Map Symbol			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Diagticit.
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	ln	•		1	Pct	Pct		<u>.</u>	<u>.</u>		Pct	
38C: Cecil												
Colfax												
Cullen												
Pacolet												
Vance												
39B:												
Kempsville	0-12	Gravelly Fine Sandy Loam	GC-GM GM SC-SM SM	A-1 A-2 A-4	0	0-8	60-80	50-75	35-64	20-41	12-20	NP-4
	12-45	Sandy Clay Loam Fine Sandy Loam Sandy Loam Loam	SC SM	A-2 A-4	0	0-8	95-100	93-100	55-95	27-75	10-34	NP-12
	45-60	Loam Gravelly Loam Gravelly Sandy Clay Loam Gravelly Sandy Loam	GC-GM GM SC SC-SM SM	A-1 A-2 A-4 A-6	0	0	60-90	50-85	30-85	15-68	13-30	NP-14
Bourne												
Faceville												
Kenansville												
Orangeburg												

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
39B:	In				Pct	Pct					Pct	
Suffolk												
Caroline												
Dogue												
Duplin												
Goldsboro												
Norfolk												
39C:												
Kempsville	0-12	Gravelly Fine Sandy Loam	GC-GM GM SC-SM SM	A-1 A-2 A-4	0	8-0	60-80	50-75	35-64	20-41	12-20	NP-4
	12-45	Sandy Loam Loam Sandy Clay Loam Fine Sandy Loam	SC SM	A-2 A-4	0	0-8	95-100	93-100	55-95	27-75	10-34	NP-12
	45-60	Loam Gravelly Loam Gravelly Sandy Clay Loam Gravelly Sandy Loam	GC-GM GM SC SC-SM SM	A-1 A-2 A-4 A-6	0	0	60-90	50-85	30-85	15-68	13-30	NP-14
Bourne												
Faceville												

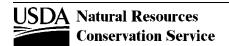


Man Cumbal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Disstinity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	•	•		Pct	Pct					Pct	<u>,                                      </u>
39C: Fluvaquents												
Goldsboro												
Orangeburg												
Suffolk												
40A:												
Kempsville	0-12	Fine Sandy Loam	SC-SM SM	A-4	0	0-8	95-100	93-100	64-85	36-55	12-20	NP-4
	12-45	Loam Sandy Clay Loam Fine Sandy Loam Sandy Loam	SC SM	A-2 A-4	0	0-8	95-100	93-100	55-95	27-75	10-34	NP-12
	45-60	Gravelly Sandy Loam Loam Gravelly Sandy Clay Loam Gravelly Loam	GC-GM GM SC SC-SM SM	A-1 A-2 A-4 A-6	0	0	60-90	50-85	30-85	15-68	13-30	NP-14

Man Symbol			Class	ification	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In				Pct	Pct					Pct	
40A: Bourne	0-13	Fine Sandy Loam	CL-ML ML SC-SM	A-2 A-4	0	0	80-100	80-100	56-85	32-55	10-25	NP-7
	13-24	Clay Loam	SM CL	A-2	0	0	80-100	80-100	64-100	28-80	25-32	7-14
	24-68	Sandy Clay Loam Sandy Clay Loam Sandy Loam	SC CL SC SC-SM	A-6 A-2 A-4 A-6	0	0	80-100	80-100	48-90	24-55	20-30	4-14
	68-76	Sandy Clay Loam Clay Loam Loam Sandy Clay Sandy Loam Clay	CL SC SM	A-2 A-4 A-6 A-7	0	0	80-100	80-100	48-100	24-95	10-61	3-27
Dunbar												
Duplin												
Goldsboro												
Kenansville												
Norfolk												
Orangeburg												
Faceville												
Fluvaquents												



Man Comphal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Linuid	Disatisitu
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In		•		Pct	Pct			•	•	Pct	
40A:												
Suffolk												
40B:												
Kempsville	0-12	Fine Sandy Loam	SC-SM SM	A-4	0	0-8	95-100	93-100	64-85	36-55	12-20	NP-4
	12-45	Sandy Loam Sandy Clay Loam Loam Fine Sandy Loam	SC SM	A-2 A-4	0	0-8	95-100	93-100	55-95	27-75	10-34	NP-12
	45-60	Loam Gravelly Sandy Clay Loam Gravelly Sandy Loam Gravelly Loam	GC-GM GM SC SC-SM SM	A-1 A-2 A-4 A-6	0	0	60-90	50-85	30-85	15-68	13-30	NP-14
Bourne	0-13	Fine Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	80-100	80-100	56-85	32-55	10-25	NP-7
	13-24	Sandy Clay Loam Clay Loam	CL SC	A-2 A-6	0	0	80-100	80-100	64-100	28-80	25-32	7-14
	24-68	Sandy Clay Loam Sandy Loam	CL SC SC-SM	A-2 A-4 A-6	0	0	80-100	80-100	48-90	24-55	20-30	4-14
	68-76	Loam Sandy Loam Sandy Clay Loam Clay Loam Sandy Clay Clay	CL SC SM	A-2 A-4 A-6 A-7	0	0	80-100	80-100	48-100	24-95	10-61	3-27
Dunbar												



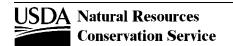
Map Symbol			Classi	fication	Fragi	ments	Per	cent Passino	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
40B:	In				Pct	Pct					Pct	
Duplin												
Faceville												
Fluvaquents												
Goldsboro												
Kenansville												
Norfolk												
Orangeburg												
Suffolk												
41: Kenansville	0-21	Loamy Sand	SM	A-1 A-2	0	0	100	95-100	48-75	14-30	10-16	NP-2
	21-48	Sandy Loam Sandy Clay Loam Fine Sandy Loam	SC SC-SM SM	A-2 A-4	0	0	100	95-100	57-90	28-55	12-30	NP-14
	48-79	Sand Gravelly Sand Gravelly Loamy Sand Loamy Sand	SM SP-SM	A-1 A-2 A-3	0	0	65-100	55-100	28-75	3-30	0-16	NP-2
Dogue												
Goldsboro												



Hanover County, Virginia

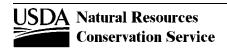
Mara Ormahad			Classi	fication	Fragi	ments	Per	cent Passino	g Sieve Nun	nber	Linuid	Diti-it-
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	•	•	•	Pct	Pct				•	Pct	•
41:												
Kempsville												
Norfolk												
Orangeburg												
Suffolk												
42:												
Kenansville variant	0-21	Loamy Sand	SM	A-1 A-2	0	0	98-100	95-100	48-75	14-30	10-12	NP
	21-48	Fine Sandy Loam Loamy Sand	SM	A-2 A-4	0	0	98-100	95-100	48-85	14-55	10-25	NP-7
	48-79	Sand Loamy Sand	SM	A-2	0	0	98-100	95-100	48-75	5-30	0-16	NP-2
Altavista												
Augusta												
Fluvaquents												
Suffolk												
Wehadkee												

43:

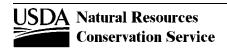


Map Symbol			Classi	fication	Fragr	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	ln	•	•		Pct	Pct			•	•	Pct	•
43:												
Lenoir	0-9	Loam	CL CL-ML ML	A-4	0	0	100	100	85-98	60-85	17-30	1-11
	9-99	Silty Clay	CH	A-7	0	0	100	100	90-100	70-95	44-66	22-39
		Clay Clay Loam	CL									
Coxville												
Dogue												
Dunbar												
Duplin												
44B:												
Masada	0-8	Fine Sandy Loam	ML SC-SM SM	A-4	0	0-30	90-100	80-100	56-85	32-55	16-25	2-7
	8-53	Sandy Clay Loam Gravelly Sandy Clay Loam Clay Clay Loam	CH CL ML	A-6 A-7	0	0-30	70-100	50-100	40-100	18-95	25-56	7-24
	53-67	Clay Loam Gravelly Sandy Loam Sandy Loam Clay Loam Sandy Clay Loam	CL ML SM	A-2 A-4 A-6 A-7	0	0-55	70-100	50-100	30-100	15-95	10-61	NP-27
Altavista												

Map Symbol			Classi	fication	Fragr	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In	•	•		Pct	Pct		•	•		Pct	•
44B:												
Appling												
Cecil												
Pacolet												
Turbeville												
45B:												
Mayodan	0-8	Sandy Loam	SM	A-2 A-4	0	0-8	90-100	85-100	54-70	27-40	9-20	NP-2
	8-47	Clay Clay Loam Sandy Clay	ML	A-4 A-6	0	0-3	90-100	85-100	76-100	60-95	25-49	3-12
	47-79	Sandy Clay Loam Clay Loam	ML SM	A-4	0	0-3	90-100	85-100	68-100	30-80	20-34	2-7
Creedmoor	0-11	Fine Sandy Loam	SC-SM SM	A-4	0	0	100	100	70-85	40-55	10-30	2-11
	11-39	Sandy Clay Loam Clay Loam Clay	CL	A-6 A-7	0	0	100	100	80-100	35-95	30-66	11-39
	39-58	Clay Loam Sandy Clay Loam Sandy Loam Sandy Clay	CH MH	A-7	0	0	100	100	60-95	30-60	26-62	NP-36
	58-79	Sandy Loam	SC SC-SM SM	A-2 A-4 A-6	0	0	100	100	60-70	30-40	16-30	NP-11
Bourne												



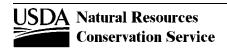
Man Symbol			Classi	fication	Fragi	ments	Per	cent Passino	g Sieve Num	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
45B:	In		•	•	Pct	Pct					Pct	
Edgehill variant												
Fluvaquents												
Helena												
Pinkston												
46:												
Myatt variant	0-10	Fine Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	90-100	80-100	56-85	32-55	10-25	NP-7
	10-45	Clay Loam Sandy Clay Loam Silty Clay Loam	CL SC	A-2 A-4 A-6 A-7	0	0-8	85-100	80-100	64-100	28-95	25-43	7-17
	45-60	Sand Sandy Loam Fine Sandy Loam Gravelly Sand	GP-GM ML SM SP-SM	A-1 A-2 A-4	0	0-8	70-100	50-100	25-85	2-55	9-25	NP-7
Altavista												
Augusta												
Chewacla												
Fluvaquents												
Kenansville variant												



Map Symbol			Classi	fication	Frag	ments	Per	cent Passino	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
46:	In		•		Pct	Pct					Pct	
Wehadkee												
47A:												
Norfolk	0-14	Fine Sandy Loam	SC SC-SM SM	A-4	0	0	98-100	95-100	66-85	38-55	12-23	NP-36
	14-79	Clay Loam Sandy Clay Loam Sandy Loam	CL CL-ML SC SC-SM	A-2 A-4 A-6	0	0	98-100	95-100	57-100	28-80	23-31	6-14
Dogue												
Dunbar												
Duplin												
Suffolk												
Atlee												
Bourne												
Coxville												
Faceville												
Goldsboro												
Kempsville												

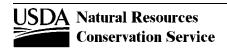
Man Cumbal			Classi	ification	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Diagticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
474	In	•	•	•	Pct	Pct				•	Pct	
47A: Orangeburg												
47B:												
Norfolk	0-14	Fine Sandy Loam	SC SC-SM SM	A-4	0	0	98-100	95-100	66-85	38-55	12-23	NP-36
	14-79	Sandy Clay Loam Sandy Loam Clay Loam	CL CL-ML SC SC-SM	A-2 A-4 A-6	0	0	98-100	95-100	57-100	28-80	23-31	6-14
Abell												
Atlee												
Bourne												
Caroline												
Cecil												
Coxville												
Dogue												
Dunbar												
Duplin												
Edgehill variant												

Mara Cymahal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liamid	Disatisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	ln			•	Pct	Pct	•				Pct	
47B: Faceville												
Goldsboro												
Kempsville												
Orangeburg												
Pacolet												
Spotsylvania												
Suffolk												
Vance												
Wedowee												
Worsham												
48B:												
Orange	0-10	Fine Sandy Loam	CL-ML SC SC-SM	A-4 A-6	0	0	90-100	85-99	60-85	34-55	20-36	5-17
	10-42	Clay Clay Loam	CH	A-7	0	0	90-100	85-99	76-99	60-95	51-76	29-49
	42-60	Sandy Loam Sandy Clay Loam	CL SC	A-2 A-6 A-7	0	0-15	90-100	85-99	51-90	26-55	26-51	9-29



Map Symbol			Classi	fication	Frag	ments	Per	cent Passino	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
48B:	In				Pct	Pct					Pct	
Iredell	0-9	Sandy Loam	SC SC-SM	A-2 A-2-4 A-4	0	0-2	95-100	93-99	55-70	27-40	26-36	9-17
	9-34	Clay Loam Clay	СН	A-7	0	0-2	95-100	93-99	83-99	64-95	51-106	29-57
	34-79	Sandy Loam Silt Loam Loam Sandy Clay Loam Clay Loam	SC	A-7	0	0-2	95-100	93-99	55-99	27-90	26-56	9-33
Abell												
Appling												
Bourne												
Colfax												
Fluvaquents												
Pacolet												
Vance												
Wedowee												
Forestdale												
Helena												

Man Symbol			Classi	fication	Fragr	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Diocticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In		•	•	Pct	Pct	•	•		•	Pct	
48B:												
Cecil												
Worsham												
49B:												
Orangeburg	0-16	Fine Sandy Loam	SM	A-2	0	0	98-100	95-100	75-95	20-35	13-25	NP-7
	16-70	Sandy Clay Loam	SM	A-2	0	0	98-100	95-100	70-96	25-35	10-23	NP-6
Kenansville												
Bourne												
Dogue												
Faceville												
Goldsboro												
Kempsville												
Norfolk												
Suffolk												
Varina												
50A:												
Orangeburg	0-16 16-70	Fine Sandy Loam Sandy Clay Loam	SM SM	A-2 A-2	0 0	0 0	98-100 98-100	95-100 95-100	75-95 70-96	20-35 25-35	13-25 10-23	NP-7 NP-6



Map Symbol			Classi	fication	Fragi	ments	Per	cent Passing	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	ln				Pct	Pct					Pct	-
50A: Faceville	0-10	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0	95-100	85-100	60-85	34-55	9-20	NP-2
	10-17	Clay Loam Clay Sandy Clay Sandy Clay Loam	ML	A-4 A-6	0	0	98-100	95-100	86-100	66-95	27-49	4-12
Atlee												
Bourne												
Coxville												
Dogue												
Dunbar												
Duplin												
Goldsboro												
Kempsville												
Norfolk												
Suffolk												
50B:												
Orangeburg	0-16 16-70	Fine Sandy Loam Sandy Clay Loam	SM SM	A-2 A-2	0 0	0 0	98-100 98-100	95-100 95-100	75-95 70-96	20-35 25-35	13-25 10-23	NP-7 NP-6

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passing	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
500	In				Pct	Pct					Pct	-
50B: Faceville	0-10	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0	95-100	85-100	60-85	34-55	9-20	NP-2
	10-17	Sandy Clay Clay Loam Sandy Clay Loam Clay	ML	A-4 A-6	0	0	98-100	95-100	86-100	66-95	27-49	4-12
Appling												
Atlee												
Bourne												
Cecil												
Coxville												
Creedmoor												
Dogue												
Dunbar												
Kempsville												
Mayodan												
50C:												
Orangeburg	0-16 16-70	Fine Sandy Loam Sandy Clay Loam	SM SM	A-2 A-2	0 0	0 0	98-100 98-100	95-100 95-100	75-95 70-96	20-35 25-35	13-25 10-23	NP-7 NP-6

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•	•	Pct	Pct			•		Pct	
50C:	2.12	<b>5</b> . <b>0</b>					0= 100	0= 100				
Faceville	0-10	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0	95-100	85-100	60-85	34-55	9-20	NP-2
	10-17	Sandy Clay Sandy Clay Loam Clay Loam Clay	ML	A-4 A-6	0	0	98-100	95-100	86-100	66-95	27-49	4-12
Bourne												
Caroline												
Fluvaquents												
Goldsboro												
Kempsville												
Norfolk												
51B2:												
Pacolet	0-5	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0-3	85-100	70-100	49-85	28-55	11-20	NP-2
	5-35	Clay Loam Sandy Clay Clay	MH ML	A-5 A-6 A-7	0	0	90-100	85-100	68-100	30-95	31-52	5-13
	35-60	Fine Sandy Loam Sandy Loam Loam	ML SC-SM SM	A-2-4 A-4	0	0	90-100	85-100	51-95	26-75	10-24	NP-3
Abell												
Appling												

Man Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
51B2:	ln				Pct	Pct					Pct	
Bourne												
Cullen												
Iredell												
Orange												
Spotsylvania												
Vance												
51C2:												
Pacolet	0-5	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0-3	85-100	70-100	49-85	28-55	11-20	NP-2
	5-35	Clay Clay Loam Sandy Clay	MH ML	A-5 A-6 A-7	0	0	90-100	85-100	68-100	30-95	31-52	5-13
	35-60	Loam Fine Sandy Loam Sandy Loam	ML SC-SM SM	A-2-4 A-4	0	0	90-100	85-100	51-95	26-75	10-24	NP-3
Vance												
Worsham												
Abell												
Appling												

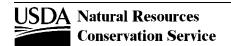
Map Symbol			Classi	fication	Frag	ments	Per	cent Passing	g Sieve Nun	nber	Liquid	Diagticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Plasticity Index
	In		•	•	Pct	Pct	•	•			Pct	
51C2: Bourne												
Colfax												
Cullen												
Fluvaquents												
Helena												
Iredell												
Orange												
Spotsylvania												
Varina												
51D2:												
Pacolet	0-5	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0-3	85-100	70-100	49-85	28-55	11-20	NP-2
	5-35	Clay Clay Loam Sandy Clay	MH ML	A-5 A-6 A-7	0	0	90-100	85-100	68-100	30-95	31-52	5-13
	35-60	Fine Sandy Loam Sandy Loam Loam	ML SC-SM SM	A-2-4 A-4	0	0	90-100	85-100	51-95	26-75	10-24	NP-3
Ashlar												
Fluvaquents												



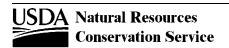
Hanover County, Virginia

Map Symbol			Classi	fication	Fragr	nents	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
51D2:	In				Pct	Pct					Pct	
Spotsylvania												
52C3:												
Pacolet	0-5	Clay Loam	ML SC-SM SM	A-4	0	0-3	85-100	70-100	63-95	49-80	25-34	3-7
	5-35	Sandy Clay Clay Loam Clay	MH ML	A-5 A-6 A-7	0	0	90-100	85-100	68-100	30-95	31-52	5-13
	35-60	Loam Fine Sandy Loam Sandy Loam	ML SC-SM SM	A-2-4 A-4	0	0	90-100	85-100	51-95	26-75	10-24	NP-3
Abell												
Colfax												
Cullen												
Fluvaquents												
Helena												
Vance												

53B:



Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In	•	•		Pct	Pct	•		•	•	Pct	•
53B:												
Pacolet	0-5	Gravelly Sandy Loam	SC-SM SM	A-1-b A-2 A-4	0	0-3	85-100	70-100	42-70	21-40	11-20	NP-2
	5-35	Sandy Clay Clay Loam Clay	MH ML	A-5 A-6 A-7	0	0	90-100	85-100	68-100	30-95	31-52	5-13
	35-60	Sandy Loam Fine Sandy Loam Loam	ML SC-SM SM	A-2-4 A-4	0	0	90-100	85-100	51-95	26-75	10-24	NP-3
Cecil	0-5	Gravelly Sandy Loam	SC-SM SM	A-1 A-2	0	0	70-85	63-75	37-52	18-30	9-20	NP-2
	5-53	Clay Clay Loam	MH ML	A-5 A-7	0	0	90-100	85-100	76-100	60-95	31-56	5-14
	53-60	Clay Loam Loam	ML SM	A-4	0	0	85-100	80-99	68-99	48-79	13-34	NP-7
Abell												
Cullen												
Iredell												
Orange												
Spotsylvania												
Vance												
53C2:												



Hanover County, Virginia

Mars Occurs al			Class	ification	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Limital	Disatisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In		•	•	Pct	Pct	•			•	Pct	
53C2:												
Pacolet	0-5	Gravelly Sandy Loam	SC-SM SM	A-1-b A-2 A-4	0	0-3	85-100	70-100	42-70	21-40	11-20	NP-2
	5-35	Clay Clay Loam Sandy Clay	MH ML	A-5 A-6 A-7	0	0	90-100	85-100	68-100	30-95	31-52	5-13
	35-60	Sandy Loam Loam Fine Sandy Loam	ML SC-SM SM	A-2-4 A-4	0	0	90-100	85-100	51-95	26-75	10-24	NP-3
Cecil	0-5	Gravelly Sandy Loam	SC-SM SM	A-1 A-2	0	0	70-85	63-75	37-52	18-30	9-20	NP-2
	5-53	Clay Loam Clay	MH ML	A-5 A-7	0	0	90-100	85-100	76-100	60-95	31-56	5-14
	53-60	Loam Clay Loam	ML SM	A-4	0	0	85-100	80-99	68-99	48-79	13-34	NP-7
Cullen												
Fluvaquents												
Spotsylvania												

54B:

Hanover County, Virginia

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Index
	In				Pct	Pct	•	•	•	•	Pct	
54B:												
Pamunkey	0-9	Loamy Sand Fine Sandy Loam	ML SC-SM SM SP-SM	A-2 A-4	0	0	90-100	80-99	40-85	12-55	10-20	NP-4
	9-46	Loam Clay Loam Sandy Loam Sandy Clay Loam	CL SC	A-2 A-6	0	0-8	90-100	80-99	48-99	24-80	23-32	6-14
	46-99	Gravelly Sandy Loam Gravelly Sand Loamy Sand Sandy Loam	SC-SM SM SW SW-SM	A-1 A-2 A-3	0-40	0-15	60-100	50-99	25-70	2-40	0-25	NP-7
Altavista												
Augusta												
Kenansville variant												
Tarboro												

55A:

Hanover County, Virginia

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nur	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Index
	In	•	•		Pct	Pct		•	•	•	Pct	•
55A:												
Pamunkey	0-9	Fine Sandy Loam Loamy Sand	ML SC-SM SM SP-SM	A-2 A-4	0	0	90-100	80-99	40-85	12-55	10-20	NP-4
	9-46	Sandy Loam Loam Clay Loam Sandy Clay Loam	CL SC	A-2 A-6	0	0-8	90-100	80-99	48-99	24-80	23-32	6-14
	46-99	Gravelly Loamy Sand Gravelly Sand Sandy Loam Gravelly Sandy Loam	SC-SM SM SW SW-SM	A-1 A-2 A-3	0-40	0-15	60-100	50-99	25-70	2-40	0-25	NP-7
Altavista												
Augusta												
Goldsboro												
Wahee												

55B:

Hanover County, Virginia

Man Cymhal			Class	ification	Fragi	ments	Per	cent Passin	g Sieve Nur	nber	المنسنا	Disatisity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	In	•	<u> </u>		Pct	Pct					Pct	<u>.                                    </u>
55B:												
Pamunkey	0-9	Fine Sandy Loam Loamy Sand	ML SC-SM SM SP-SM	A-2 A-4	0	0	90-100	80-99	40-85	12-55	10-20	NP-4
	9-46	Sandy Loam Loam Clay Loam Sandy Clay Loam	CL SC	A-2 A-6	0	0-8	90-100	80-99	48-99	24-80	23-32	6-14
	46-99	Gravelly Loamy Sand Gravelly Sand Sandy Loam Gravelly Sandy Loam	SC-SM SM SW SW-SM	A-1 A-2 A-3	0-40	0-15	60-100	50-99	25-70	2-40	0-25	NP-7
Altavista												
Augusta												
Fluvaquents												
Goldsboro												
Wahee												

56:



Man Cumbal			Classi	fication	Fragi	ments	Perd	cent Passin	g Sieve Nun	nber	Liquid	Diocticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In		•	•	Pct	Pct	•				Pct	
56:												
Pamunkey	0-9	Loamy Sand Fine Sandy Loam	ML SC-SM SM SP-SM	A-2 A-4	0	0	90-100	80-99	40-85	12-55	10-20	NP-4
	9-46	Loam Clay Loam	CL SC	A-2 A-6	0	0-8	90-100	80-99	48-99	24-80	23-32	6-14
		Sandy Clay Loam Sandy Loam										
	46-99	Sandy Loam Gravelly Sandy Loam	SC-SM SM	A-1 A-2	0-40	0-15	60-100	50-99	25-70	2-40	0-25	NP-7
		Gravelly Loamy Sand Gravelly Sand	SW SW-SM	A-3								
Altavista												
Augusta												
Chewacla												
Fluvaquents												
57B:												
Pamunkey variant	0-9	Gravelly Sandy Loam	GM SC-SM	A-1 A-2	0	0-8	60-75	50-65	30-46	15-26	14-25	1-7
			SM									
	9-26	Very Gravelly Sandy Loam Gravelly Sandy Loam	GM SM	A-1 A-2	0	8-0	45-80	35-70	21-49	10-28	12-25	NP-7
	26-60	Loamy Sand Very Gravelly Sand Gravelly Loamy Sand	GM SC-SM SM	A-1	0	0-8	45-75	35-65	18-49	2-20	9-16	NP-2
Altavista												



Mara Ormak al			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Limite	Disabiate
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In		4		Pct	Pct				<u>.</u>	Pct	
57B:												
Chewacla												
Fluvaquents												
Tarboro												
Udifluvents												
Wahee												
58C:												
Pinkston	0-12	Sandy Loam Gravelly Sandy Loam	SC SC-SM	A-1 A-2 A-4	0	0-15	75-99	70-98	42-70	21-40	20-25	4-10
	12-32	Sandy Clay Loam Clay Loam Sandy Loam Gravelly Sandy Loam	GM SM	A-1 A-2 A-4 A-6	0	0-15	60-99	50-98	30-70	15-40	21-30	NP-11
	32-79	Bedrock										
Mayodan	0-8	Sandy Loam	SM	A-2 A-4	0	0-8	90-100	85-100	54-70	27-40	9-20	NP-2
	8-47	Sandy Clay Clay Loam	ML	A-4 A-6	0	0-3	90-100	85-100	76-100	60-95	25-49	3-12
	47-79	Clay Clay Loam Sandy Clay Loam	ML SM	A-4	0	0-3	90-100	85-100	68-100	30-80	20-34	2-7
Colfax												
Creedmoor												

Hanover County, Virginia

Man Cumbal			Classi	ification	Fragr	nents	Per	cent Passin	g Sieve Nun	nber	Liquid	Disstinity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	ln				Pct	Pct					Pct	
58C:												
Helena												
Edgehill variant												
58D:												
Pinkston	0-12	Gravelly Sandy Loam Sandy Loam	SC SC-SM	A-1 A-2 A-4	0	0-15	75-99	70-98	42-70	21-40	20-25	4-10
	12-32	Clay Loam Sandy Clay Loam Sandy Loam Gravelly Sandy Loam	GM SM	A-1 A-2 A-4 A-6	0	0-15	60-99	50-98	30-70	15-40	21-30	NP-11
	32-79	Bedrock										
Mayodan	0-8	Sandy Loam	SM	A-2 A-4	0	0-8	90-100	85-100	54-70	27-40	9-20	NP-2
	8-47	Clay Loam	ML	A-4	0	0-3	90-100	85-100	76-100	60-95	25-49	3-12
	47-79	Sandy Clay Sandy Clay Loam Clay Loam	SM	A-4	0	0-3	90-100	85-100	68-100	30-80	20-34	2-7
Chewacla												
Fluvaquents												
Udifluvents												

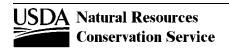


58E:

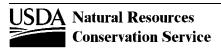
Map Symbol			Classi	ification	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•	•	Pct	Pct	•	•	•	•	Pct	•
58E:												
Pinkston	0-12	Gravelly Sandy Loam Sandy Loam	SC SC-SM	A-1 A-2 A-4	0	0-15	75-99	70-98	42-70	21-40	20-25	4-10
	12-32	Sandy Loam Gravelly Sandy Loam Sandy Clay Loam Clay Loam	GM SM	A-1 A-2 A-4 A-6	0	0-15	60-99	50-98	30-70	15-40	21-30	NP-11
	32-79	Bedrock										
Mayodan	0-8	Sandy Loam	SM	A-2 A-4	0	0-8	90-100	85-100	54-70	27-40	9-20	NP-2
	8-47	Sandy Clay Clay Loam Clay	ML	A-4 A-6	0	0-3	90-100	85-100	76-100	60-95	25-49	3-12
	47-79	Sandy Clay Loam Clay Loam	ML SM	A-4	0	0-3	90-100	85-100	68-100	30-80	20-34	2-7
Chewacla												
Fluvaquents												
Udifluvents												
59:												
Pits, borrow												
60: Pits, quarry												
61:												

Mara Oranah al			Class	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	I day dat	Di
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	ln		•	•	Pct	Pct	•	•			Pct	•
61:												
Rains	0-17	Fine Sandy Loam	ML SM	A-4	0	0	98-100	95-100	66-85	38-55	10-25	NP-7
	17-68	Clay Loam Sandy Clay Loam	CL CL-ML SC SC-SM	A-2 A-4 A-6	0	0	98-100	95-100	76-100	33-80	23-31	6-14
	68-79	Stratified Sand To Clay	SC	A-6	0	0	98-100	95-100	48-100	5-95	9-61	NP-27
Dunbar												
Duplin												
Goldsboro												
Suffolk												
62B:												
Spotsylvania	0-12	Fine Sandy Loam Gravelly Fine Sandy Loam	ML SC-SM SM	A-2 A-4	0	0	80-100	70-100	49-85	28-55	9-20	NP-2
	12-25	Loam Gravelly Sandy Clay Loam Clay Loam Sandy Clay Loam	ML SM	A-2 A-4	0	0-8	80-100	70-100	48-100	21-80	20-34	2-7
	25-60	Clay Clay Loam	ML	A-4 A-7	0	0-8	90-100	80-100	72-100	56-95	30-45	NP-11

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
000	In				Pct	Pct					Pct	
62B: Bourne	0-13	Fine Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	80-100	80-100	56-85	32-55	10-25	NP-7
	13-24	Sandy Clay Loam Clay Loam	CL SC	A-2 A-6	0	0	80-100	80-100	64-100	28-80	25-32	7-14
	24-68	Sandy Loam Sandy Clay Loam	CL SC SC-SM	A-2 A-4 A-6	0	0	80-100	80-100	48-90	24-55	20-30	4-14
	68-76	Sandy Clay Loam Loam Sandy Loam Clay Sandy Clay Clay Loam	CL SC SM	A-2 A-4 A-6 A-7	0	0	80-100	80-100	48-100	24-95	10-61	3-27
Abell												
Appling												
Cecil												
Faceville												
Masada												
Norfolk												
Orangeburg												
Pacolet												



Map Symbol			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In	•	•	•	Pct	Pct					Pct	•
62B:												
Vance												
Varina												
Wedowee												
62C:												
Spotsylvania	0-12	Fine Sandy Loam Gravelly Fine Sandy Loam	ML SC-SM SM	A-2 A-4	0	0	80-100	70-100	49-85	28-55	9-20	NP-2
	12-25	Clay Loam Loam Gravelly Sandy Clay Loam Sandy Clay Loam	ML SM	A-2 A-4	0	0-8	80-100	70-100	48-100	21-80	20-34	2-7
	25-60	Clay Loam Clay	ML	A-4 A-7	0	0-8	90-100	80-100	72-100	56-95	30-45	NP-11
Bourne	0-13	Fine Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	80-100	80-100	56-85	32-55	10-25	NP-7
	13-24	Clay Loam Sandy Clay Loam	CL SC	A-2 A-6	0	0	80-100	80-100	64-100	28-80	25-32	7-14
	24-68	Sandy Clay Loam Sandy Loam	CL SC SC-SM	A-2 A-4 A-6	0	0	80-100	80-100	48-90	24-55	20-30	4-14
	68-76	Sandy Loam Sandy Clay Loam Sandy Clay Clay Loam Loam Clay	CL SC SM	A-2 A-4 A-6 A-7	0	0	80-100	80-100	48-100	24-95	10-61	3-27

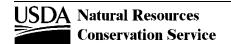


Man Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
62C:	In				Pct	Pct					Pct	•
020.												
Abell												
Appling												
Cecil												
Pacolet												
Vance												
Fluvaquents												
63A:												
Suffolk	0-9	Loamy Fine Sand	SC-SM SM	A-2	0	0	100	100	50-75	15-30	15-18	NP-6
	9-51	Sandy Clay Loam Sandy Loam Clay Loam	CL SC	A-2 A-6	0	0	100	100	60-100	30-80	20-40	10-25
	51-72	Sandy Loam Loamy Fine Sand Sand	SC-SM SM	A-2 A-3 A-4	0	0	100	100	50-85	5-45	15-18	NP-6
Faceville												
Bourne												
Caroline												
Dogue												

Map Symbol			Classi	fication	Fragi	ments	Perd	cent Passing	g Sieve Num	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
63A:	In				Pct	Pct					Pct	
Goldsboro												
Kempsville												
Kenansville												
Norfolk												
Orangeburg												
63B:												
Suffolk	0-9	Loamy Fine Sand	SC-SM SM	A-2	0	0	100	100	50-75	15-30	15-18	NP-6
	9-51	Sandy Loam Clay Loam Sandy Clay Loam	CL SC	A-2 A-6	0	0	100	100	60-100	30-80	20-40	10-25
	51-72	Loamy Fine Sand Sand Sandy Loam	SC-SM SM	A-2 A-3 A-4	0	0	100	100	50-85	5-45	15-18	NP-6
Kempsville												
Bourne												
Caroline												
Dogue												
Faceville												
Goldsboro												



Map Symbol			Classi	fication	Fragr	ments	Perd	cent Passin	g Sieve Num	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•	•	Pct	Pct					Pct	•
63B:												
Kenansville												
Norfolk												
Orangeburg												
63C:												
Suffolk	0-9	Loamy Fine Sand	SC-SM SM	A-2	0	0	100	100	50-75	15-30	15-18	NP-6
	9-51	Sandy Loam Clay Loam Sandy Clay Loam	CL SC	A-2 A-6	0	0	100	100	60-100	30-80	20-40	10-25
	51-72	Sand Loamy Fine Sand Sandy Loam	SC-SM SM	A-2 A-3 A-4	0	0	100	100	50-85	5-45	15-18	NP-6
Bourne												
Kempsville												
Norfolk												
Orangeburg												
Faceville												
Fluvaquents												



Man Comphal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Limite	Dinaticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	•	•	•	Pct	Pct	•		•		Pct	•
64B:	0.40									44.00	10.10	
Tarboro	0-12	Loamy Sand	SM	A-1 A-2	0	0	90-100	85-99	45-75	14-30	10-16	NP-2
	12-94	Sand	SM	A-1	0	0	60-98	50-94	25-71	2-28	9-13	NP
		Gravelly Sand	SP	A-2								
		Loamy Sand	SP-SM	A-3								
		Gravelly Loamy Sand	SW-SM									
Altavista												
Chewacla												
Fluvaquents												
Forestdale												
Pamunkey												
Wehadkee												
65B:												
Turbeville	0-10	Fine Sandy Loam	CL-ML	A-2	0	0-45	90-100	80-100	56-85	32-55	16-23	NP-10
			ML	A-4								
			SC-SM									
	10-79	Sandy Clay Loam	SM CH	A-7	0	0-30	90-100	80-100	64-100	28-95	37-66	10-39
	10-79	Clay	CL	A-1	U	0-30	90-100	00-100	04-100	20-95	37-00	10-39
		Sandy Clay Clay Loam	MH									
Altavista												
Faceville												



Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In	•	•	•	Pct	Pct					Pct	•
65B:												
Masada												
Norfolk												
66C:												
Udalfs	0-6	Fine Sandy Loam Sandy Loam	SC SC-SM SM	A-2-4 A-4	0	0	90-100	85-100	50-85	25-55	16-28	NP-10
	6-25	Clay Loam Sandy Clay Loam	CL SC	A-6	0	0	90-100	85-100	70-100	30-80	30-44	11-22
	25-39	Sandy Clay Loam Gravelly Sandy Loam Fine Sandy Loam Loam Sandy Loam	CL-ML SC-SM	A-2-4 A-4	0	0	80-100	70-100	40-95	20-75	21-44	4-22
	39-54	Bedrock										
	54-58	Bedrock										
Ochrepts	0-3	Channery Silt Loam	GC-GM ML SM	A-2-4 A-4	0	0-10	35-75	15-70	15-70	15-60	12-31	1-11
	3-16	Very Channery Very Fine Sandy Loam Very Channery Silt Loam	GC-GM GM	A-1-b A-2-4	0	5-50	10-50	10-40	10-40	10-35	7-31	NP-11
	16-41	Bedrock										
	41-51	Bedrock										
Abell												
Appling												

Map Symbol			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	ln				Pct	Pct					Pct	
66C:												
Pacolet												
Wedowee												
66D:												
Udalfs	0-6	Fine Sandy Loam Sandy Loam	SC SC-SM SM	A-2-4 A-4	0	0	90-100	85-100	50-85	25-55	16-28	NP-10
	6-25	Clay Loam Sandy Clay Loam	CL SC	A-6	0	0	90-100	85-100	70-100	30-80	30-44	11-22
	25-39	Sandy Loam Loam Sandy Clay Loam Fine Sandy Loam Gravelly Sandy Loam	CL-ML SC-SM	A-2-4 A-4	0	0	80-100	70-100	40-95	20-75	21-44	4-22
	39-54	Bedrock										
	54-58	Bedrock										
Ochrepts	0-3	Channery Silt Loam	GC-GM ML SM	A-2-4 A-4	0	0-10	35-75	15-70	15-70	15-60	12-31	1-11
	3-16	Very Channery Very Fine Sandy Loam Very Channery Silt Loam	GC-GM GM	A-1-b A-2-4	0	5-50	10-50	10-40	10-40	10-35	7-31	NP-11
	16-41	Bedrock										
	41-51	Bedrock										
Abell												
Appling												
Fluvaquents												



Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In			•	Pct	Pct			•	•	Pct	•
66D:												
Pacolet												
Wedowee												
Worsham												
66F:												
Udalfs	0-6	Sandy Loam Fine Sandy Loam	SC SC-SM SM	A-2-4 A-4	0	0	90-100	85-100	50-85	25-55	16-28	NP-10
	6-25	Clay Loam Sandy Clay Loam	CL SC	A-6	0	0	90-100	85-100	70-100	30-80	30-44	11-22
	25-39	Loam Gravelly Sandy Loam Sandy Clay Loam Sandy Loam Fine Sandy Loam	CL-ML SC-SM	A-2-4 A-4	0	0	80-100	70-100	40-95	20-75	21-44	4-22
	39-54	Bedrock										
	54-58	Bedrock										
Ochrepts	0-3	Channery Silt Loam	GC-GM ML SM	A-2-4 A-4	0	0-10	35-75	15-70	15-70	15-60	12-31	1-11
	3-16	Very Channery Silt Loam Very Channery Very Fine Sandy Loam	GC-GM GM	A-1-b A-2-4	0	5-50	10-50	10-40	10-40	10-35	7-31	NP-11
	16-41	Bedrock										
	41-51	Bedrock										
Abell												

Hanover County, Virginia

Man Comphal			Classi	fication	Fragr	ments	Per	cent Passin	g Sieve Nun	nber	المناط	Disatisity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In		•	•	Pct	Pct	•		•		Pct	
66F: Appling												
Fluvaquents												
Pacolet												
Wedowee												
Worsham												
67:												
Udifluvents	0-10	Silt Loam	CL CL-ML	A-4	0	0	95-100	95-100	86-100	70-90	21-34	4-14
	10-62	Fine Sandy Loam Silty Clay Loam Loam	CL ML SC SM	A-4 A-6 A-7	0	0	95-100	95-100	65-100	40-95	25-50	3-22
68: Udorthents												

69C:

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	ln		•		Pct	Pct	•	•			Pct	•
69C:												
Udults	0-14	Loam	CL	A-2-4	0	8-0	85-100	80-100	48-95	24-75	15-25	NP-15
		Sandy Loam	ML	A-4								
			SC	A-6								
			SM									
	14-35	Loam	CL	A-2-4	0	0-3	75-100	65-100	52-100	23-80	20-50	8-30
		Clay Loam	SC	A-4								
		Sandy Clay Loam		A-6								
	25.00	Condy Clay Lagra	CLI	A-7-6	0	0-8	75-100	CE 400	FO 400	22.05	05.55	8-30
	35-60	Sandy Clay Loam Clay	CH CL	A-4 A-6	U	0-8	75-100	65-100	52-100	23-95	25-55	8-30
		Clay Loam	SC	A-6 A-7-6								
		Clay Loani	30	A-7-0								
Goldsboro												
Fluvaquents												
69D:												
Udults	0-14	Sandy Loam	CL	A-2-4	0	0-8	85-100	80-100	48-95	24-75	15-25	NP-15
		Loam	ML	A-4								
			SC	A-6								
			SM									
	14-35	Sandy Clay Loam	CL	A-2-4	0	0-3	75-100	65-100	52-100	23-80	20-50	8-30
		Loam	SC	A-4								
		Clay Loam		A-6								
				A-7-6								
	35-60	Clay	CH	A-4	0	0-8	75-100	65-100	52-100	23-95	25-55	8-30
		Sandy Clay Loam	CL	A-6								
		Clay Loam	SC	A-7-6								
Goldsboro												
Fluvaquents												



Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In				Pct	Pct				•	Pct	
69D:												
70B:												
Udults	0-14	Loam Sandy Loam	CL ML SC SM	A-2-4 A-4 A-6	0	0-8	85-100	80-100	48-95	24-75	15-25	NP-15
	14-35	Clay Loam Loam Sandy Clay Loam	CL SC	A-2-4 A-4 A-6 A-7-6	0	0-3	75-100	65-100	52-100	23-80	20-50	8-30
	35-60	Sandy Clay Loam Clay Clay Loam	CH CL SC	A-4 A-6 A-7-6	0	0-8	75-100	65-100	52-100	23-95	25-55	8-30
Ochrepts	0-4	Silt Loam Loam	CL CL-ML	A-4 A-6	0	0	100	100	85-95	60-75	21-41	6-19
	4-45	Sandy Clay Loam Fine Sandy Loam Clay Loam Loam	CL	A-6	0	0	100	100	70-100	40-80	28-45	12-25
	45-62	Fine Sandy Loam Loamy Fine Sand Sand Loamy Sand Sandy Loam	SC-SM SM	A-2 A-4	0	0	100	100	50-85	5-55	16-31	1-12
Fluvaquents												
Goldsboro												
70C:												

Hanover County, Virginia

Man Cymhal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	المستما	Diesticit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	ln	•			Pct	Pct					Pct	
70C:												
Udults	0-14	Sandy Loam	CL	A-2-4	0	8-0	85-100	80-100	48-95	24-75	15-25	NP-15
		Loam	ML	A-4								
			SC	A-6								
			SM									
	14-35	Loam	CL	A-2-4	0	0-3	75-100	65-100	52-100	23-80	20-50	8-30
		Clay Loam	SC	A-4								
		Sandy Clay Loam		A-6								
	35-60	Clay	СН	A-7-6 A-4	0	0-8	75-100	65-100	52-100	23-95	25-55	8-30
	33-00	Sandy Clay Loam	CL	A-4 A-6	U	0-0	75-100	05-100	32-100	23-93	25-55	0-30
		Clay Loam	SC	A-7-6								
		Oldy Lodin	00	7.7.0								
Ochrepts	0-4	Loam	CL	A-4	0	0	100	100	85-95	60-75	21-41	6-19
•		Silt Loam	CL-ML	A-6								
	4-45	Sandy Clay Loam	CL	A-6	0	0	100	100	70-100	40-80	28-45	12-25
		Loam										
		Clay Loam										
		Fine Sandy Loam										
	45-62	Loamy Fine Sand	SC-SM	A-2	0	0	100	100	50-85	5-55	16-31	1-12
		Sand	SM	A-4								
		Fine Sandy Loam										
		Sandy Loam										
		Loamy Sand										
Goldsboro												
Fluvaquents												

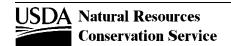
70D:



Hanover County, Virginia

Man Cumhal			Class	ification	Fragi	ments	Per	cent Passin	g Sieve Num	nber	المندينيا	Disatisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	In	•	•	•	Pct	Pct	•	•			Pct	
70D:												
Udults	0-14	Loam Sandy Loam	CL ML SC SM	A-2-4 A-4 A-6	0	0-8	85-100	80-100	48-95	24-75	15-25	NP-15
	14-35	Clay Loam Sandy Clay Loam Loam	CL SC	A-2-4 A-4 A-6 A-7-6	0	0-3	75-100	65-100	52-100	23-80	20-50	8-30
	35-60	Clay Loam Sandy Clay Loam Clay	CH CL SC	A-4 A-6 A-7-6	0	0-8	75-100	65-100	52-100	23-95	25-55	8-30
Ochrepts	0-4	Loam Silt Loam	CL CL-ML	A-4 A-6	0	0	100	100	85-95	60-75	21-41	6-19
	4-45	Clay Loam Loam Sandy Clay Loam Fine Sandy Loam	CL	A-6	0	0	100	100	70-100	40-80	28-45	12-25
	45-62	Sandy Loam Fine Sandy Loam Loamy Sand Loamy Fine Sand Sand	SC-SM SM	A-2 A-4	0	0	100	100	50-85	5-55	16-31	1-12
Goldsboro												
Fluvaquents												

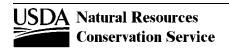
70E:



Hanover County, Virginia

Maria Orienta al			Class	ification	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Limital	Disatists
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	•	•	•	Pct	Pct	•	•	•	•	Pct	<u>.                                      </u>
70E:												
Udults	0-14	Sandy Loam Loam	CL ML SC SM	A-2-4 A-4 A-6	0	0-8	85-100	80-100	48-95	24-75	15-25	NP-15
	14-35	Sandy Clay Loam Loam Clay Loam	CL SC	A-2-4 A-4 A-6 A-7-6	0	0-3	75-100	65-100	52-100	23-80	20-50	8-30
Ochronto	35-60	Clay Sandy Clay Loam Clay Loam	CH CL SC	A-4 A-6 A-7-6	0	0-8	75-100	65-100	52-100	23-95	25-55	8-30
Ochrepts	0-4	Loam Silt Loam	CL CL-ML	A-4 A-6	0	0	100	100	85-95	60-75	21-41	6-19
	4-45	Sandy Clay Loam Fine Sandy Loam Loam Clay Loam	CL	A-6	0	0	100	100	70-100	40-80	28-45	12-25
	45-62	Loamy Fine Sand Sand Sandy Loam Loamy Sand Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0	100	100	50-85	5-55	16-31	1-12
Goldsboro												
Fluvaquents												

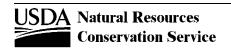
70F:



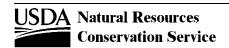
Hanover County, Virginia

Man Correlad			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	لمندين ا	Diocticit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	•	•	•	Pct	Pct	•	•	•	•	Pct	•
70F:												
Udults	0-14	Loam	CL	A-2-4	0	8-0	85-100	80-100	48-95	24-75	15-25	NP-15
		Sandy Loam	ML	A-4								
			SC	A-6								
		0 1 01 1	SM					0= 400				
	14-35	Sandy Clay Loam	CL	A-2-4	0	0-3	75-100	65-100	52-100	23-80	20-50	8-30
		Loam	SC	A-4 A-6								
		Clay Loam		A-6 A-7-6								
	35-60	Clay Loam	СН	A-7-0 A-4	0	0-8	75-100	65-100	52-100	23-95	25-55	8-30
	00 00	Sandy Clay Loam	CL	A-6	Ü	0 0	70 100	00 100	02 100	20 00	20 00	0 00
		Clay	SC	A-7-6								
Ochrepts	0-4	Silt Loam	CL	A-4	0	0	100	100	85-95	60-75	21-41	6-19
		Loam	CL-ML	A-6								
	4-45	Loam	CL	A-6	0	0	100	100	70-100	40-80	28-45	12-25
		Fine Sandy Loam										
		Clay Loam										
		Sandy Clay Loam										
	45-62	Loamy Sand	SC-SM	A-2	0	0	100	100	50-85	5-55	16-31	1-12
		Sand Sandy Loam	SM	A-4								
		Fine Sandy Loam										
		Loamy Fine Sand										
		Loamy Fine Gand										
Goldsboro												
Fluvaquents												

71B:



Mars Correction			Classi	fication	Fragi	ments	Per	cent Passing	g Sieve Nun	nber	المستاما	Disatisitu
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
740	In				Pct	Pct					Pct	
71B: Vance	0-12	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0-8	90-100	80-100	56-85	32-55	11-20	NP-2
	12-48	Clay Loam Sandy Clay	ML	A-4 A-7	0	0-8	90-100	80-100	72-100	56-95	31-49	5-12
	48-68	Clay Loam Clay Loam	ML	A-4	0		90-100	80-100	68-100	48-80	14-34	NP-7
Worsham												
Abell												
Bourne												
Cecil												
Colfax												
Cullen												
Fluvaquents												
Helena												
Iredell												
Norfolk												
Orange												
Pacolet												

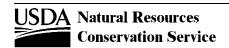


Man Cumbal			Classi	fication	Fragi	ments	Per	cent Passing	g Sieve Num	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
71B:	In				Pct	Pct					Pct	
Spotsylvania												
Wedowee												
71C2:												
Vance	0-12	Fine Sandy Loam	SC-SM SM	A-2 A-4	0	0-8	90-100	80-100	56-85	32-55	11-20	NP-2
	12-48	Clay Sandy Clay Clay Loam	ML	A-4 A-7	0	0-8	90-100	80-100	72-100	56-95	31-49	5-12
	48-68	Clay Loam Loam	ML	A-4	0		90-100	80-100	68-100	48-80	14-34	NP-7
Worsham												
Abell												
Bourne												
Cecil												
Colfax												
Cullen												
Fluvaquents												
Helena												
Iredell												



Map Symbol			Classi	fication	Fragr	nents	Per	cent Passino	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
71C2:	ln				Pct	Pct					Pct	
Norfolk												
Orange												
Pacolet												
Spotsylvania												
Wedowee												
72B:												
Varina	0-7	Gravelly Sandy Loam Sandy Loam	SC-SM SM	A-1 A-2	0	0-8	60-95	55-93	33-65	16-37	9-20	NP-2
	7-65	Clay Loam Very Gravelly Clay Loam Gravelly Clay Loam Very Gravelly Sandy Clay Loam	GM ML SM	A-4	0	0-8	15-100	5-100	4-100	3-80	31-34	5-7

Man Symbol			Class	ification	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In	•			Pct	Pct					Pct	
72B: Bourne	0-13	Fine Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	80-100	80-100	56-85	32-55	10-25	NP-7
	13-24	Sandy Clay Loam	CL	A-2	0	0	80-100	80-100	64-100	28-80	25-32	7-14
	24-68	Clay Loam Sandy Loam Sandy Clay Loam	SC CL SC SC-SM	A-6 A-2 A-4 A-6	0	0	80-100	80-100	48-90	24-55	20-30	4-14
	68-76	Sandy Clay Clay Sandy Clay Loam Loam Clay Loam Sandy Loam	CL SC SM	A-2 A-4 A-6 A-7	0	0	80-100	80-100	48-100	24-95	10-61	3-27
Abell												
Appling												
Cecil												
Duplin												
Edgehill variant												
Faceville												
Goldsboro												
Orangeburg												

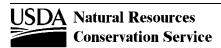


Hanover County, Virginia

Man Symbol			Classi	fication	Fragr	ments	Perd	cent Passing	g Sieve Nun	nber	Liquid	Diocticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In		•	•	Pct	Pct					Pct	•
72B: Spotsylvania												
Norfolk												
Vance												
73:												
Wahee	0-8	Loam	CL CL-ML	A-4	0	0	100	100	85-95	60-75	21-36	4-16
	8-65	Silty Clay Loam Clay Silty Clay	CH CL	A-7	0	0	100	100	90-100	75-95	47-66	22-39
Abell												
Altavista												
Dogue												
Fluvaquents												
Forestdale												
Iredell												
Orange												
Fork												

74B2:

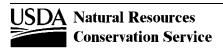
Man Symbol			Classi	ification	Frag	ments	Per	cent Passino	g Sieve Num	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
74B2:	In		•		Pct	Pct					Pct	
Wedowee	0-5	Fine Sandy Loam	SC-SM SM	A-4	0	0	95-100	90-100	63-85	36-55	9-20	NP-2
	5-33	Clay Loam Sandy Clay Clay	ML	A-4 A-6	0	0	98-100	95-100	86-100	66-95	27-49	4-12
	33-60	Loam Sandy Clay Loam Clay Loam Sandy Loam	ML SC-SM	A-4	0	0	98-100	95-100	81-100	57-80	16-27	NP-4
Iredell												
Norfolk												
Orange												
Abell												
Bourne												
Cecil												
Colfax												
Helena												
Spotsylvania												
Turbeville												
Vance												



Map Symbol			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
74B2:	In				Pct	Pct					Pct	
Varina												
74C2:												
Wedowee	0-5	Fine Sandy Loam	SC-SM SM	A-4	0	0	95-100	90-100	63-85	36-55	9-20	NP-2
	5-33	Clay Clay Loam Sandy Clay	ML	A-4 A-6	0	0	98-100	95-100	86-100	66-95	27-49	4-12
	33-60	Sandy Loam Clay Loam Sandy Clay Loam Loam	ML SC-SM	A-4	0	0	98-100	95-100	81-100	57-80	16-27	NP-4
Worsham												
Abell												
Bourne												
Cecil												
Chewacla												
Colfax												
Fluvaquents												
Helena												
Iredell												



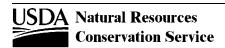
Man Comphal			Classi	fication	Frag	ments	Per	cent Passino	g Sieve Nun	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
7400.	ln		•		Pct	Pct					Pct	
74C2:												
Orange												
Turbeville												
Vance												
Varina												
74D2:												
Wedowee	0-5	Fine Sandy Loam	SC-SM SM	A-4	0	0	95-100	90-100	63-85	36-55	9-20	NP-2
	5-33	Clay Clay Loam Sandy Clay	ML	A-4 A-6	0	0	98-100	95-100	86-100	66-95	27-49	4-12
	33-60	Loam Sandy Loam Clay Loam Sandy Clay Loam	ML SC-SM	A-4	0	0	98-100	95-100	81-100	57-80	16-27	NP-4
Fluvaquents												
Vance												
Worsham												
Abell												
Ashlar												
Chewacla												



Map Symbol			Classi	fication	Fragr	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Index
74D2:	In				Pct	Pct	•				Pct	•
7 152.												
75C3:												
Wedowee	0-5	Clay Loam	ML SC-SM	A-4	0	0	95-100	90-100	81-100	63-80	25-34	3-7
	5-33	Sandy Clay Clay Loam Clay	ML	A-4 A-6	0	0	98-100	95-100	86-100	66-95	27-49	4-12
	33-60	Sandy Clay Loam Loam Sandy Loam Clay Loam	ML SC-SM	A-4	0	0	98-100	95-100	81-100	57-80	16-27	NP-4
Abell												
Colfax												
Fluvaquents												
Iredell												
Orange												
Spotsylvania												
Vance												
Worsham												
75D3:												

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•	•	Pct	Pct		•			Pct	
75D3: Wedowee	0-5	Clay Loam	ML SC-SM	A-4	0	0	95-100	90-100	81-100	63-80	25-34	3-7
	5-33	Sandy Clay Clay Clay Loam	ML	A-4 A-6	0	0	98-100	95-100	86-100	66-95	27-49	4-12
	33-60	Sandy Loam Loam Sandy Clay Loam Clay Loam	ML SC-SM	A-4	0	0	98-100	95-100	81-100	57-80	16-27	NP-4
Abell												
Ashlar												
Chewacla												
Fluvaquents												
Worsham												
76D:												
Wedowee	0-5	Fine Sandy Loam	SC-SM SM	A-4	0	0	95-100	90-100	63-85	36-55	9-20	NP-2
	5-33	Clay Clay Loam Sandy Clay	ML	A-4 A-6	0	0	98-100	95-100	86-100	66-95	27-49	4-12
	33-60	Loam Sandy Loam Sandy Clay Loam Clay Loam	ML SC-SM	A-4	0	0	98-100	95-100	81-100	57-80	16-27	NP-4

Man Symbol			Classi	fication	Fragi	ments	Per	cent Passinç	g Sieve Num	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
76D:	In				Pct	Pct					Pct	
Ashlar	0-11	Sandy Loam	SC-SM SM	A-1 A-2 A-4	0	0-15	70-100	63-100	37-70	18-40	9-16	NP
	11-30	Gravelly Sandy Loam Sandy Loam	GC-GM GM SC-SM SM	A-1 A-2 A-4	0	0-15	70-100	63-100	37-70	18-40	9-16	NP
	30-34	Bedrock										
Edgehill variant												
Fluvaquents												
Vance												
77:												
Wehadkee	0-8	Loam	ML SC-SM	A-4	0	0	100	95-100	81-95	57-75	10-30	NP-10
	8-79	Loam Sandy Clay Loam Clay Loam	CL CL-ML SC	A-4 A-6	0	0-5	100	95-100	76-95	33-75	23-31	6-14
Forestdale												
Goldsboro												
Worsham												
Abell												
Altavista												



Map Symbol			Classi	fication	Fragr	nents	Per	cent Passin	g Sieve Num	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
77:	ln		•		Pct	Pct	•	•			Pct	
Augusta												
Chewacla												
Colfax												
Fluvaquents												
Helena												
Pamunkey												
Wahee												
78:												
Worsham	0-11	Fine Sandy Loam	CL ML SC SM	A-2 A-4	0	0-8	90-100	85-100	60-85	34-55	21-30	NP-11
	11-60	Clay Sandy Clay Sandy Clay Loam	CH CL SC	A-2 A-7	0	0-8	90-100	85-100	68-100	30-95	39-62	10-36
Fluvaquents												
Helena												
Iredell												
Abell												

			fication	Flagi	nents	Pero	cent Passin	g Sieve Nun	nber	Liquid	Diocticity
pth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
n			U	Pct	Pct	<u> </u>			ı	Pct	
n		-	Unified	Unified AASHTO	Unified AASHTO Inches Pct	Unified AASHTO Inches Inches Inches  Pct Pct	Unified AASHTO Inches 4  Pct Pct	Unified   AASHTO   Inches   4   10	Unified   AASHTO   Inches   4   10   40	Unified   AASHTO   Inches   10   40   200	OSDA Texture